



**(43) International Publication Date**  
**20 January 2005 (20.01.2005)**

## PCT

**(10) International Publication Number**  
**WO 2005/005038 A1**

**(51) International Patent Classification<sup>7</sup>: B01J 8/22**

**(21) International Application Number:**  
PCT/IB2004/002243

**(22) International Filing Date:** 9 July 2004 (09.07.2004)

**(25) Filing Language:** English

**(26) Publication Language:** English

**(30) Priority Data:**  
2003/5452                      15 July 2003 (15.07.2003)    ZA

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**(81) Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AI., AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

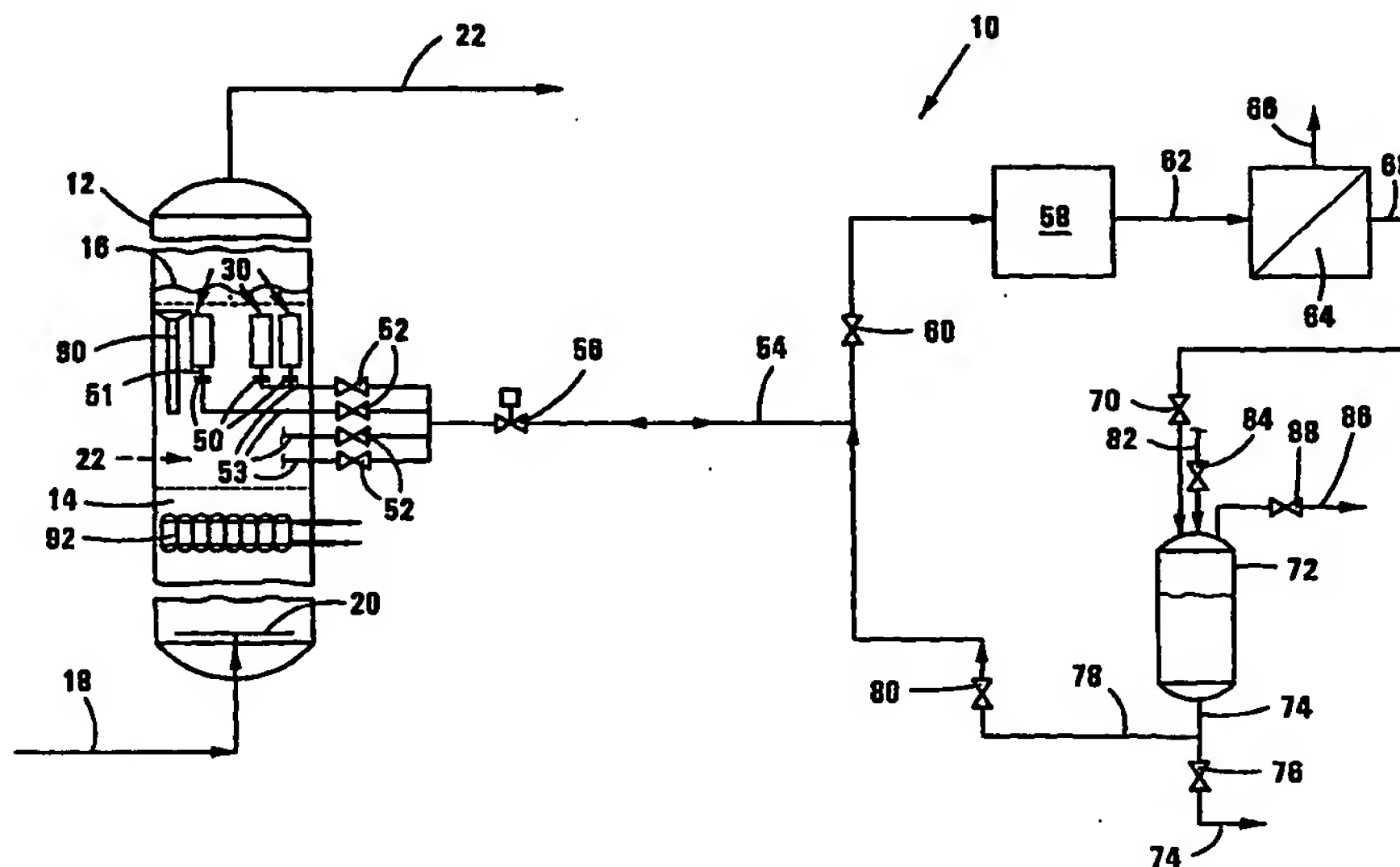
**(84) Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**(54) Title: PROCESS FOR SEPARATING A CATALYST FROM A LIQUID**



**(57) Abstract:** Gaseous reactants (18) are fed into a slurry bed (14) of solid catalyst particles in a liquid. The reactants react as they pass upwardly through the bed, thereby forming liquid and gaseous products. In a primary filtration stage (30), the liquid product passes through a filtering medium having filtering openings, which have a controlling dimension of x microns, so that large catalyst particles greater than x microns are removed. A primary filtrate containing near-size and fine catalyst particles is subjected to secondary filtration (64) to remove near-size particles. A cake of catalyst particles forms on the filtering medium. The passage of liquid product through the filtering medium is interrupted, and the filtering medium is backflushed by passing secondary filtrate through it in a reverse direction, to dislodge the cake from the filtering medium.

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